

**ARG62785**  
anti-CD25 antibody [MEM-140]Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [MEM-140] recognizes CD25
Tested Reactivity	Hu
Tested Application	FACS, IP
Specificity	The clone MEM-140 reacts with CD25 (Interleukin-2 receptor alpha chain), a 55 kDa type I transmembrane glycoprotein expressed on activated B and T lymphocytes, activated monocytes/macrophages and on CD4 <sup>+</sup> T lymphocytes (T regulatory cells); it is lost on resting B and T lymphocytes. HLDA VI; WS Code C C-54
Host	Mouse
Clonality	Monoclonal
Clone	MEM-140
Isotype	IgM
Target Name	CD25
Immunogen	PHA-activated peripheral blood leucocytes
Conjugation	Un-conjugated
Alternate Names	IL-2-RA; IL-2 receptor subunit alpha; CD25; TCGFR; TAC antigen; IL2R; CD antigen CD25; Interleukin-2 receptor subunit alpha; IL-2R subunit alpha; p55; IL2-RA; IDDM10

### Application Instructions

Application table	Application	Dilution
	FACS	1 µg/ml
	IP	Assay-dependent
Application Note	IP: Excellent for immunoisolation of CD25+cells. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

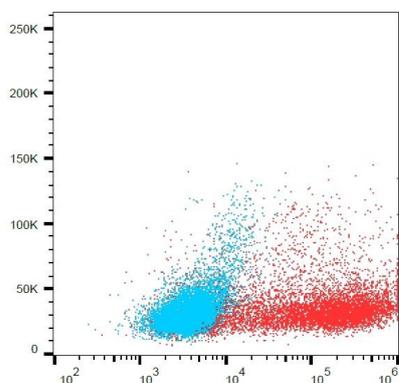
Form	Liquid
Purification	Purified from ascites by thiophilic adsorption-affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	TBS (pH 8.0) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

<b>Storage instruction</b>	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

<b>Database links</b>	<a href="#">GeneID: 3559 Human</a> <a href="#">Swiss-port # P01589 Human</a>
<b>Gene Symbol</b>	IL2RA
<b>Gene Full Name</b>	interleukin 2 receptor, alpha
<b>Background</b>	CD25 (IL2Ralpha, Tac) is a ligand-binding alpha subunit of interleukin 2 receptor (IL2R). Together with beta and gamma subunit CD25 constitutes the high affinity IL2R, whereas CD25 alone serves as the low affinity IL2R. CD25 expression rapidly increases upon T cell activation. The 55 kDa CD25 molecule is enzymatically cleaved and shed from the cell surface as a soluble 45 kDa s-Tac, whose concentration in serum can be used as a marker of T cell activation. Expression of CD25 indicates the neoplastic phenotype of mast cells. Humanized anti CD25 antibodies represent a useful tool to reduce the incidence of allograft rejection as well as the severity of graft versus host reaction, and radioimmunoconjugates of anti-CD25 antibodies can be used against CD25 expressing lymphomas.
<b>Function</b>	Receptor for interleukin-2. [UniProt]
<b>Research Area</b>	Immune System antibody; Pre-B Cell Marker antibody
<b>Calculated Mw</b>	31 kDa

## Images



ARG62785 anti-CD25 antibody [MEM-140] FACS image

Flow Cytometry: Unstained (blue) and stained (red) PHA-stimulated human peripheral blood mononuclear cells. Cells were stained with ARG62785 anti-CD25 antibody [MEM-140] at 0.6 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.